

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P845713

Luminaire Tested: **GLAN-SB1A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

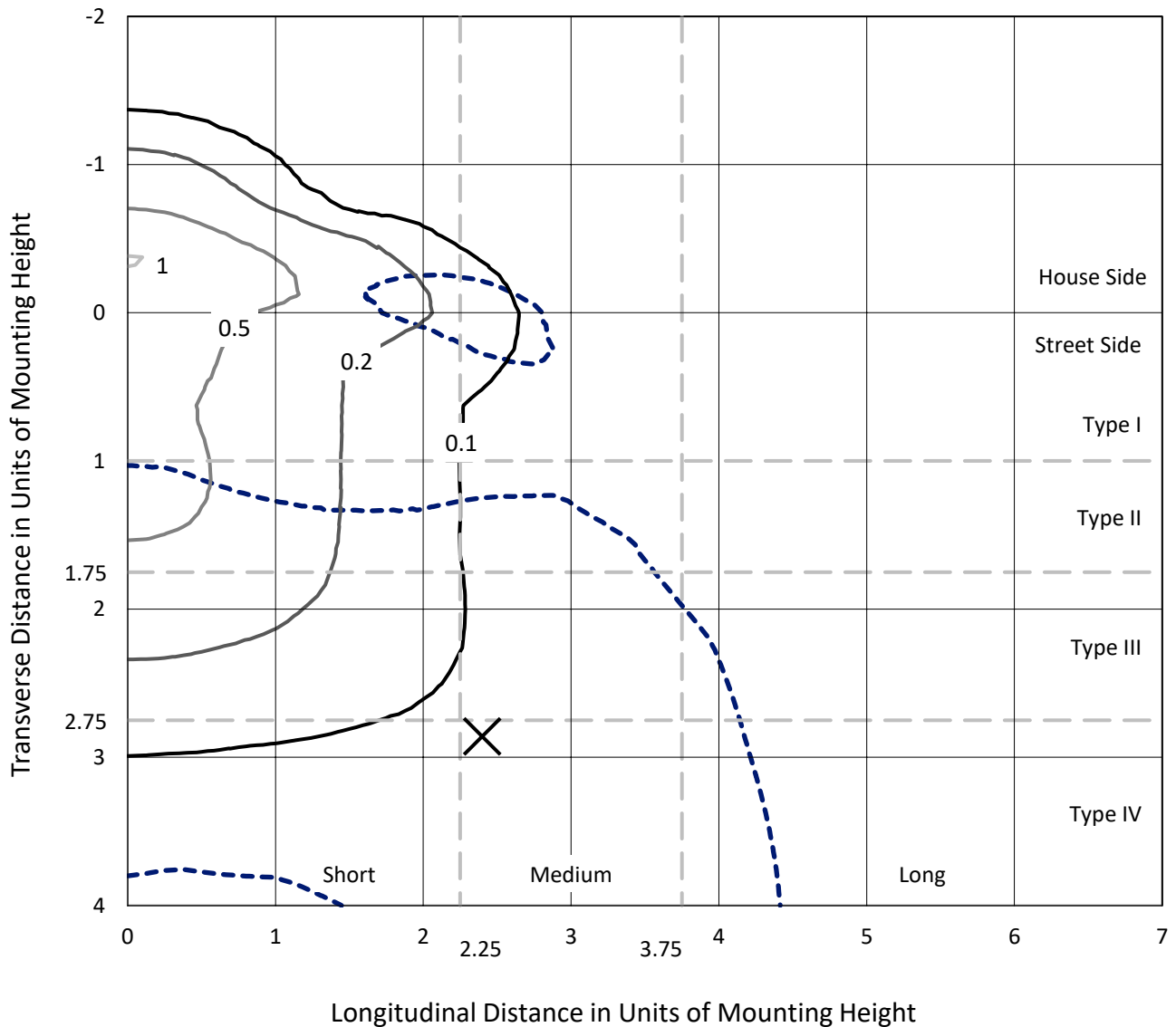
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

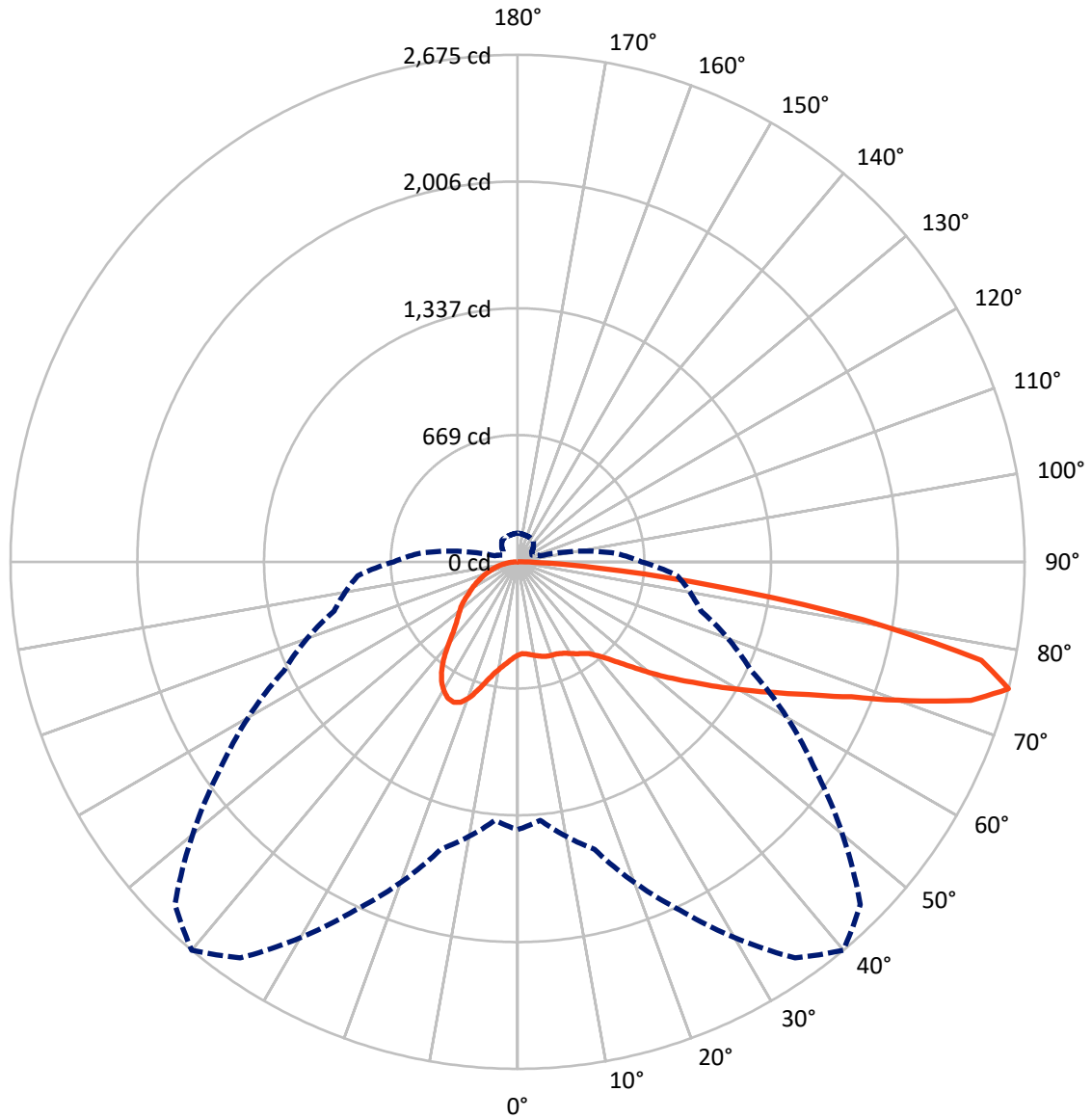
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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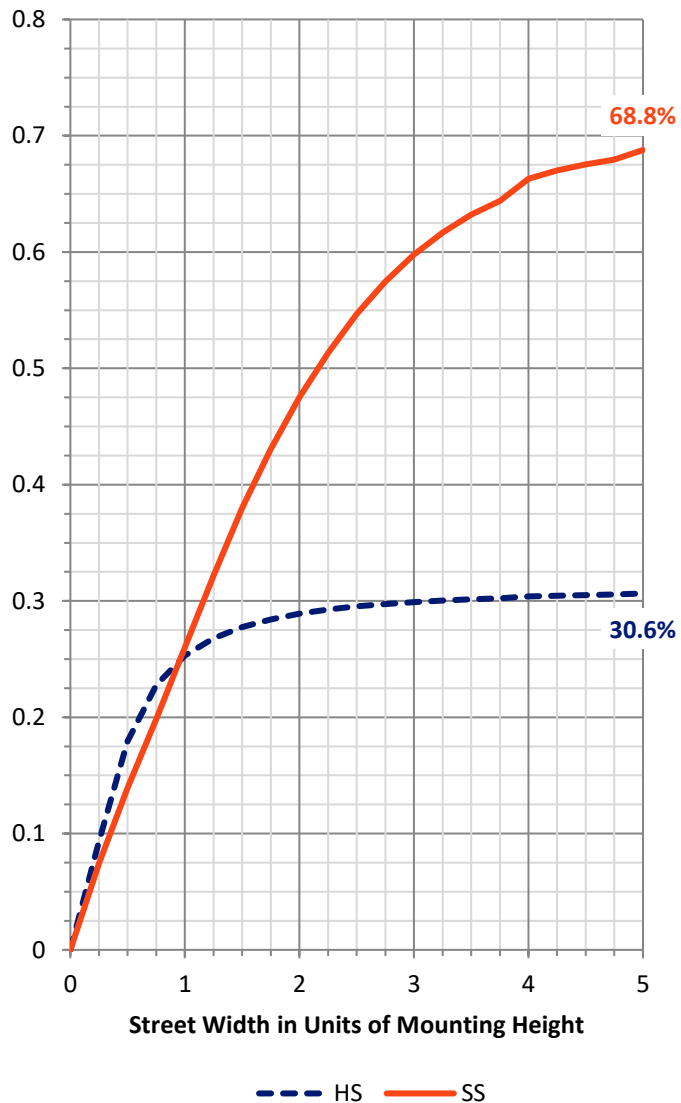
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1331.3	0.0	1331.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2965.6	0.0	2965.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	4297.0	0.0	4297.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	1.1
10°-20°	164.7	3.8
20°-30°	300.7	7.0
30°-40°	426.5	9.9
40°-50°	575.8	13.4
50°-60°	774.7	18.0
60°-70°	983.2	22.9
70°-80°	892.3	20.8
80°-90°	130.1	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4297.0	100.0
0°-180°	4297.0	100.0

Coefficient of Utilization

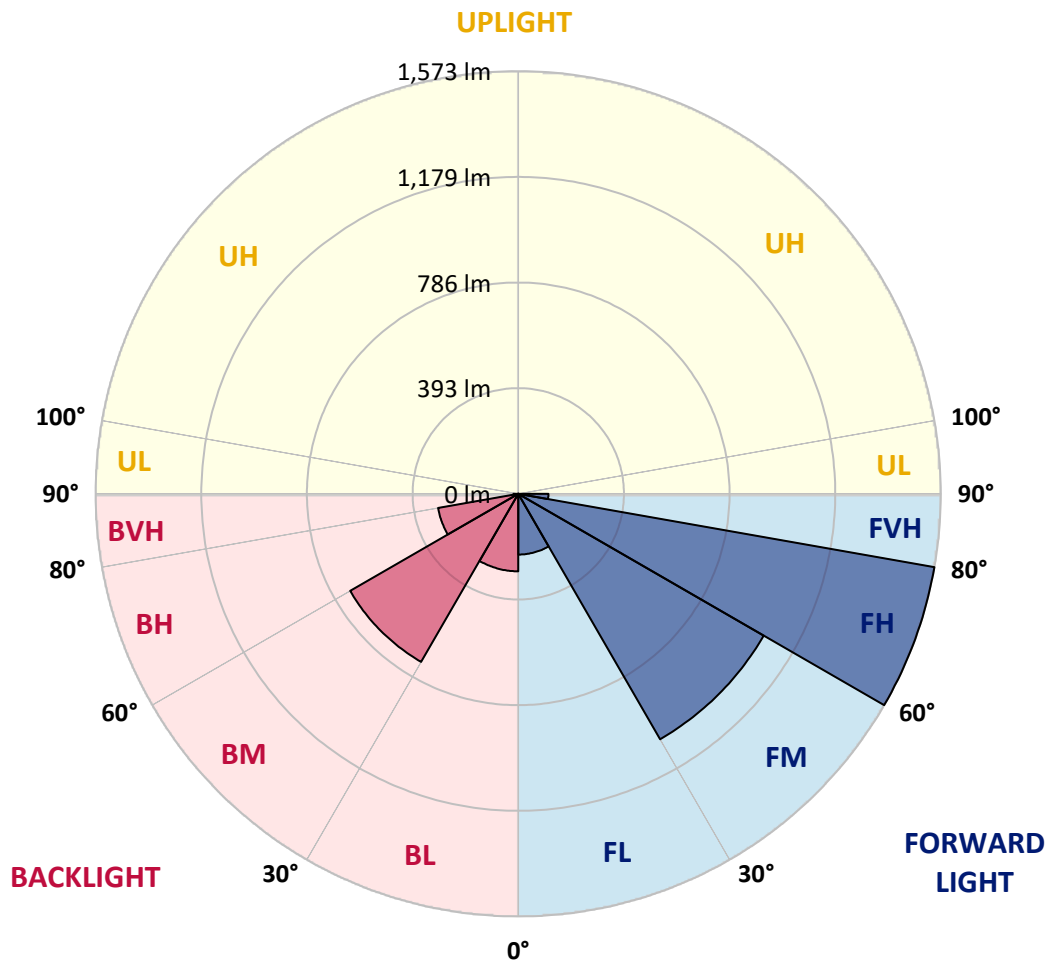


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.0	5.3			
FM (30°-60°)	1054.8	24.5			
FH (60°-80°)	1572.6	36.6			G1/1800
FVH (80°-90°)	112.2	2.6			G2/225
BL (0°-30°)	288.4	6.7	B1/500		
BM (30°-60°)	722.1	16.8	B1/1000		
BH (60°-80°)	302.9	7.0	B1/500		G1/500
BVH (80°-90°)	17.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4
2.5°	483.8	486.6	485.9	485.0	485.0	485.2	485.0	486.6	488.2	489.8
5°	488.9	491.6	490.2	489.1	488.2	487.9	487.3	487.0	487.9	490.0
7.5°	498.7	501.4	499.3	497.3	495.5	494.6	493.6	492.3	491.6	492.7
10°	509.6	512.3	509.8	506.2	503.2	502.1	501.2	499.8	498.9	499.6
12.5°	520.5	523.3	519.9	514.8	511.0	510.3	509.1	508.7	508.5	508.2
15°	530.8	533.1	528.7	522.8	518.7	517.6	516.4	517.1	518.3	519.6
17.5°	538.8	541.1	534.7	526.9	523.0	522.6	521.9	524.2	527.4	530.8
20°	546.1	548.3	540.1	529.7	525.1	525.1	525.3	530.1	534.7	539.7
22.5°	556.3	558.1	548.1	533.8	527.1	527.6	529.4	534.2	539.9	546.7
25°	571.6	573.0	560.7	541.5	534.0	535.4	536.9	539.2	544.7	552.7
27.5°	596.2	597.3	581.2	555.2	543.8	546.1	548.3	546.7	549.3	556.1
30°	630.8	631.5	611.0	576.6	560.4	561.6	562.0	555.4	550.6	556.1
32.5°	671.9	671.6	647.3	602.6	579.3	578.2	574.3	561.3	550.2	555.0
35°	735.5	732.9	701.5	639.1	600.8	593.7	584.6	567.9	552.4	553.8
37.5°	840.7	833.0	789.5	698.8	632.7	614.7	601.2	578.7	557.5	553.4
40°	959.5	949.7	901.8	780.6	680.5	651.6	629.9	593.9	565.7	555.4
42.5°	1100.3	1086.4	1034.9	877.0	741.2	699.2	666.6	613.3	577.7	562.0
45°	1273.3	1254.9	1181.9	985.7	817.5	761.7	718.1	642.7	596.2	574.8
47.5°	1448.1	1452.7	1349.0	1110.1	909.1	838.7	782.6	686.9	623.1	595.3
50°	1633.9	1637.1	1515.1	1248.0	1013.0	925.8	855.1	736.4	660.5	624.5
52.5°	1778.8	1779.3	1666.0	1392.3	1121.3	1021.5	933.3	792.9	703.8	663.2
55°	1869.5	1868.4	1771.7	1528.8	1245.7	1122.0	1019.9	857.2	756.7	708.8
57.5°	1935.4	1932.0	1844.7	1646.2	1378.4	1240.7	1117.9	930.1	819.1	763.0
60°	1960.5	1958.4	1894.1	1747.6	1517.9	1372.0	1230.9	1011.7	890.0	827.1
62.5°	1970.0	1973.9	1942.7	1845.8	1667.1	1517.4	1355.1	1109.2	969.7	899.5
65°	2003.8	2010.8	2004.4	1974.4	1835.8	1687.7	1519.9	1225.2	1056.8	977.3
67.5°	2070.5	2077.6	2080.3	2128.2	2041.8	1899.8	1725.5	1369.7	1158.7	1057.9
70°	2068.9	2066.9	2115.2	2250.6	2299.8	2193.6	2002.6	1547.5	1280.2	1124.9
72.5°	1883.2	1866.8	1981.0	2249.2	2514.5	2500.4	2341.1	1776.8	1385.0	1133.2
75°	1412.8	1369.0	1570.7	2027.0	2550.3	2674.5	2556.2	1919.0	1360.1	1001.2
77.5°	604.2	560.2	797.9	1500.5	2282.5	2500.1	2358.8	1674.2	1085.7	662.1
80°	158.2	157.9	241.1	680.3	1552.3	1846.3	1619.7	1081.2	620.4	236.6
82.5°	65.4	63.8	88.7	264.6	758.5	1036.1	845.5	482.3	224.0	64.0
85°	24.4	24.2	43.1	91.4	267.6	427.3	309.3	123.3	55.8	31.2
87.5°	6.8	6.6	9.3	31.7	65.2	98.9	52.9	20.3	15.7	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
491.4	0°	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4	491.4
492.3	2.5°	493.0	494.1	496.2	497.7	499.8	502.1	505.3	507.3	509.4	510.7
493.4	5°	495.0	497.5	502.8	508.0	514.2	519.9	526.5	531.3	535.1	536.3
497.5	7.5°	499.6	503.7	512.6	521.5	531.3	540.6	550.2	558.4	565.0	567.5
504.8	10°	507.5	513.0	525.6	538.1	551.1	565.4	577.7	589.6	598.9	602.8
513.5	12.5°	517.6	524.4	540.8	558.1	576.1	596.0	611.9	626.5	638.1	643.4
525.6	15°	530.6	539.5	560.4	583.7	610.1	637.7	658.0	674.1	687.1	693.5
538.1	17.5°	544.7	556.5	583.0	618.1	655.9	692.2	715.9	727.7	741.2	747.3
549.7	20°	558.4	573.0	610.8	661.8	712.2	750.7	769.9	773.1	774.0	774.7
560.7	22.5°	572.5	592.1	645.7	717.0	771.0	797.7	800.4	786.7	767.6	758.7
571.4	25°	588.0	614.0	691.2	777.8	821.6	824.8	803.8	770.6	734.3	717.7
580.0	27.5°	603.0	639.3	745.9	836.0	858.1	830.0	784.9	737.7	694.0	676.4
586.2	30°	618.1	668.2	806.3	886.8	874.7	817.0	755.1	702.4	658.4	640.0
591.6	32.5°	633.4	702.0	875.8	923.5	871.7	789.5	717.9	662.8	624.0	604.6
596.4	35°	650.7	743.4	941.7	943.5	851.9	748.9	668.9	615.3	581.6	566.1
602.1	37.5°	673.2	796.1	999.8	948.5	817.3	689.4	608.1	559.3	531.5	524.4
610.6	40°	701.3	859.4	1044.3	940.6	766.0	617.2	541.5	502.5	486.8	488.4
622.0	42.5°	737.7	930.3	1075.5	920.1	694.7	542.6	483.2	465.8	473.4	479.7
639.1	45°	785.1	1003.9	1094.9	885.2	614.0	479.5	448.7	452.9	458.5	459.2
666.6	47.5°	845.8	1078.5	1107.6	832.5	531.7	435.1	426.9	427.8	426.6	421.9
707.9	50°	921.4	1150.9	1119.0	762.8	461.7	407.3	396.3	393.1	377.4	361.9
762.8	52.5°	1007.6	1217.5	1123.8	676.2	407.3	384.0	366.2	346.2	316.8	312.0
831.9	55°	1103.3	1279.0	1111.5	569.8	361.5	354.2	327.3	303.1	299.9	295.8
922.8	57.5°	1217.7	1345.3	1086.4	451.0	314.5	319.3	293.1	295.8	290.1	283.7
1039.7	60°	1342.8	1413.9	1042.4	342.8	266.0	275.8	284.2	284.0	282.4	277.1
1163.0	62.5°	1455.4	1459.1	955.8	262.5	223.3	242.0	265.1	264.8	263.5	260.5
1291.8	65°	1522.4	1452.2	811.3	206.7	188.3	214.2	239.1	240.9	241.1	240.9
1388.6	67.5°	1510.6	1372.2	613.1	164.5	159.3	186.0	213.3	215.8	217.7	218.1
1400.9	70°	1376.6	1196.5	399.7	131.3	133.6	161.1	188.9	191.4	193.0	194.9
1215.7	72.5°	1073.0	879.7	228.8	106.2	111.0	139.7	164.8	167.7	168.7	172.1
846.0	75°	653.9	517.3	123.5	83.6	91.2	119.4	140.8	144.3	145.9	150.0
415.5	77.5°	310.9	224.0	70.4	65.2	73.4	97.5	119.0	122.8	118.5	120.8
114.6	80°	105.1	83.2	44.4	49.7	56.1	76.1	95.3	99.1	90.0	89.6
38.1	82.5°	36.7	33.7	28.3	33.0	36.2	54.5	72.0	77.0	67.0	66.8
17.1	85°	14.4	13.7	15.7	18.0	21.7	33.5	47.4	49.9	41.3	33.3
5.0	87.5°	3.0	3.2	3.9	4.1	6.6	11.6	17.1	21.0	16.6	14.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
491.4
509.8
536.7
567.7
603.0
643.4
693.1
747.1
776.5
761.2
720.2
678.5
642.0
607.1
569.5
529.4
493.9
485.7
463.8
425.5
364.0
313.6
296.5
282.6
275.3
259.4
240.9
218.6
195.8
173.4
150.4
119.0
88.7
63.6
32.8
13.0
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